

1   **WHAT IS CLAIMED IS:**

2           1. An adjustable lighting apparatus having a flexible arm and a fully  
3   rotatable head, wherein  
4           the flexible arm has a power connector on one end and a terminal fitting on  
5   another end, wherein a circular socket is attached to an open end of the terminal  
6   fitting;  
7           the head has a lighting element installed therein and a plug-in portion at one  
8   end for insertion into the circular socket on the terminal fitting of the flexible  
9   arm.

10          2. The adjustable lighting apparatus as claimed in claim 1, wherein the  
11   circular socket attached to the open end of the terminal fitting has a first metal  
12   ring on inside wall of the circular socket, and a metal pin in the center,

13          3. The adjustable lighting apparatus as claimed in claim 1, wherein the  
14   plug-in portion of the head has a slot to accommodate a metal cylinder on inside  
15   wall of the slot, and a second metal ring on outside wall of the slot.

16          4. The adjustable lighting apparatus as claimed in claim 2, wherein the  
17   first and second metal rings, fully in contact with each other, representing the  
18   positive electrode, and the metal cylinder and the metal pin, also fully in contact  
19   with each other, representing the negative electrode, when joined together, are  
20   able to establish the necessary electrical contact for actuating the lighting  
21   element.

22          5. The adjustable lighting apparatus as claimed in claim 3, wherein the  
23   first and second metal rings, fully in contact with each other, representing the  
24   positive electrode, and the metal cylinder and the metal pin, also fully in contact

1 with each other, representing the negative electrode, when joined together, are  
2 able to establish the necessary electrical contact for actuating the lighting  
3 element.

4 6. The adjustable lighting apparatus as claimed in claim 2, wherein the  
5 first and second metal rings, fully in contact with each other, representing the  
6 negative electrode, and the metal cylinder and the metal pin, also fully in contact  
7 with each other, representing the positive electrode, when joined together, are  
8 able to establish the necessary electrical contact for actuating the lighting  
9 element.

10 7. The adjustable lighting apparatus as claimed in claim 3, wherein the  
11 first and second metal rings, fully in contact with each other, representing the  
12 negative electrode, and the metal cylinder and the metal pin, also fully in contact  
13 with each other, representing the positive electrode, when joined together, are  
14 able to establish the necessary electrical contact for actuating the lighting  
15 element.